

North Carolina

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	12,426	453,928	13	Total R&D performance, 1995 (millions)	\$3,191	\$177,210	16
Doctoral engineers, 1995	1,540	86,738	17	Industry R&D, 1995 (millions)	\$2,226	\$130,332	15
S&E doctorates awarded, 1996	708	27,230	11	Academic R&D, 1996 (millions)	\$726	\$22,481	9
of which, in life sciences	37%	25%		of which, in life sciences	70%	56%	
in engineering	19%	23%		in engineering	10%	16%	
in physical sciences	12%	14%		in social sciences	7%	5%	
S&E postdoctorates, 1996	1,408	37,019	6	Higher education current-fund expenditures, 1995 (millions)	\$5,736	\$182,602	9
in doctorate-granting institutions							
S&E graduate students, 1996	9,697	430,631	13	Number of SBIR awards, 1990-1997	352	31,155	23
in doctorate-granting institutions				Patents issued to state residents, 1997	1,262	61,699	15
Population, 1997 (000s)	7,425	271,464	11	Gross state product, 1996 (billions)	\$204.2	\$7,677.4	12
Civilian labor force, 1997 (000s)	3,844	137,564	11	of which, agriculture	2%	2%	
Personal income per capita, 1997	\$23,345	\$25,598	32	manufacturing, mining, construction	31%	23%	
Federal spending				transportation, communication, utilities	8%	8%	
Total expenditures, 1997 (millions)	\$34,731	\$1,405,060	14	wholesale and retail trade	15%	16%	
R&D obligations, 1996 (millions)	\$816	\$66,087	19	finance, insurance, real estate	15%	19%	
				services	15%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	816,111	199,319	0	116,319	452,735	44,049	3,689	19
Department of Agriculture	28,127	14,818	0	82	13,202	25	0	16
Department of Commerce	12,123	4,746	0	3,976	3,300	0	101	21
Department of Defense	134,930	36,224	0	68,450	29,373	883	0	27
Department of Energy	12,053	302	0	0	11,056	695	0	29
Dept. of Health & Human Services	451,779	63,874	0	16,317	333,979	35,376	2,233	7
Department of Interior	4,131	3,531	0	20	580	0	0	32
Department of Transportation	6,519	0	0	58	4,617	489	1,355	21
Environmental Protection Agency	109,028	75,780	0	24,017	5,603	3,628	0	1
Nat'l Aeronautics & Space Admin.	10,408	0	0	755	6,814	2,839	0	27
National Science Foundation	47,013	44	0	2,644	44,211	114	0	16
State rank	19	14	na	28	7	13	12	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable